

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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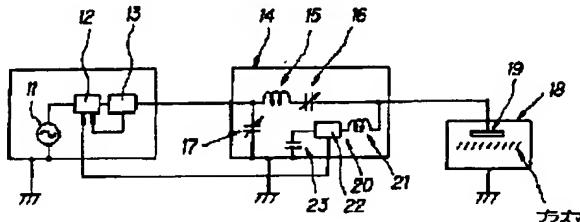
APPLICATION DATE : 07-10-92  
 APPLICATION NUMBER : 04268860

APPLICANT : KYOSAN ELECTRIC MFG CO LTD;

INVENTOR : KIKUCHI MASAHIRO;

INT.CL. : H05H 1/48 // H01L 21/302 H01L 21/31

TITLE : HIGH FREQUENCY GENERATING  
 DEVICE



ABSTRACT : PURPOSE: To prevent ill influence upon a thin film.

CONSTITUTION: When an arc is generated in a plasma producing chamber 18, the plasma load becomes low impedance, and a serial resonance is generated by a capacitor 23 and inductor 21. A current transformer 22 senses the resonant current due to this serial resonance, and a control circuit 12 restricts the power supplied to the plasma producing chamber 18, so that the arc extinguishes in a short time before it grows.

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